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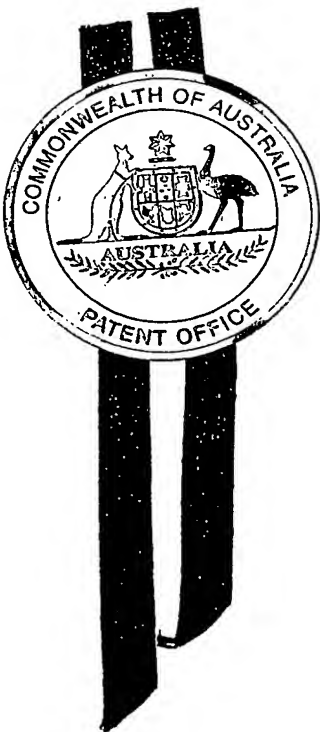
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Patent Office  
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I, JANENE PEISKER, TEAM LEADER EXAMINATION SUPPORT AND SALES hereby certify that annexed is a true copy of the Provisional specification in connection with Application No. 2003900340 for a patent by JOHN BARRY FINN and BRIAN DOUGLAS JENKINS as filed on 28 January 2003.



WITNESS my hand this  
Twentieth day of November 2003

JANENE PEISKER  
TEAM LEADER EXAMINATION  
SUPPORT AND SALES

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# **Provisional Specification**

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**Invention Title**

**Manual Water Distillation Apparatus**

The invention is described in the following statement

The Manual Water Distillation Apparatus uses a purpose built stainless steel lid, it is circular in shape when viewed from above and has a conical base and raised slopping sides and a turned out lip.

The outer flat lip is designed as grip point for the apparatus and combined with slightly slopping sides fits comfortably and securely when gripped with the thumb on top and the pointing finger beneath the lip.

The raised side adds to the volume of coolant the apparatus can hold which improves its efficiency.

The conical bottom section is designed so that it will sit on any pot, of nominal size and create a suitable seal between the flat conical side and the upper lip of the said pot or canister for the purpose of the operation of this apparatus.

The flat conical sides are designed to offer more stability to the lid when sitting on the pot, once filled with coolant.

The flat bottom of the apparatus is required as part of the manufacturing process, it also serves as a base for the lid to stand upright on when filled with coolant and not sitting on a pot.

It is used in the following manner.

## **METHOD ONE.**

The large holding container in which the raw water is boiled can be a pot, saucepan, canister, billy or other suitable container provided it has a symmetrical round top. The stainless steel lid/apparatus has been designed and constructed so that it will adapt to any container of suitable size.

The lid/apparatus is then filled with a cooling agent, the internal collection container is placed on the internal stand, is not to be placed in the raw water. Once heat is applied the steam will rise to the underside of the lid/apparatus and condensation will occur, due to the symmetrical shape of the lid/apparatus the collected droplets

**IP Australia**

ABN 38 113 072 755

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The invention is described in the following statement

will run at a uniform rate and drop from the centre of the lid/apparatus into the collection container.

The heat transferred through the lid/apparatus is taken up by the coolant in the lid/apparatus, this inturn will rise to the top of the coolant and force the cooler coolant to the bottom of the lid/apparatus, and so on.

#### METHOD TWO.

The large holding container in which the raw water is boiled can be a pot, saucepan, canister, billy or other suitable container provided it has a symmetrical round top. The stainless steel lid/apparatus has been designed and constructed so that it will adapt to any container of suitable size. This container is fitted with a pipe, which will run from just beneath the centre of the lid/apparatus out through the bottom on the container and down past the heat source.

The lid/apparatus is then filled with a cooling agent. Once heat is applied the steam will rise to the underside of the lid/ apparatus and condensation will occur, due to the symmetrical shape of the lid/apparatus the collected droplets will run at a uniform rate and drop from the centre of the lid/apparatus into the pipe and down into the collection container.

The heat transferred through the lid/apparatus is taken up by the coolant in the lid/apparatus, this inturn will rise to the top of the coolant and force the cooler coolant to the bottom of the lid/apparatus, and so on.

BARRY JOHN FINN

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**Manual Water Distillation Apparatus:**

Purpose built stainless steel  
lid to hold coolant and  
facilitate central collection  
and/or removal of condensed  
water to internal or external  
container

Coolant to  
allow heat  
transfer

Pipe to allow condensation  
to fall into collection  
container situated below.

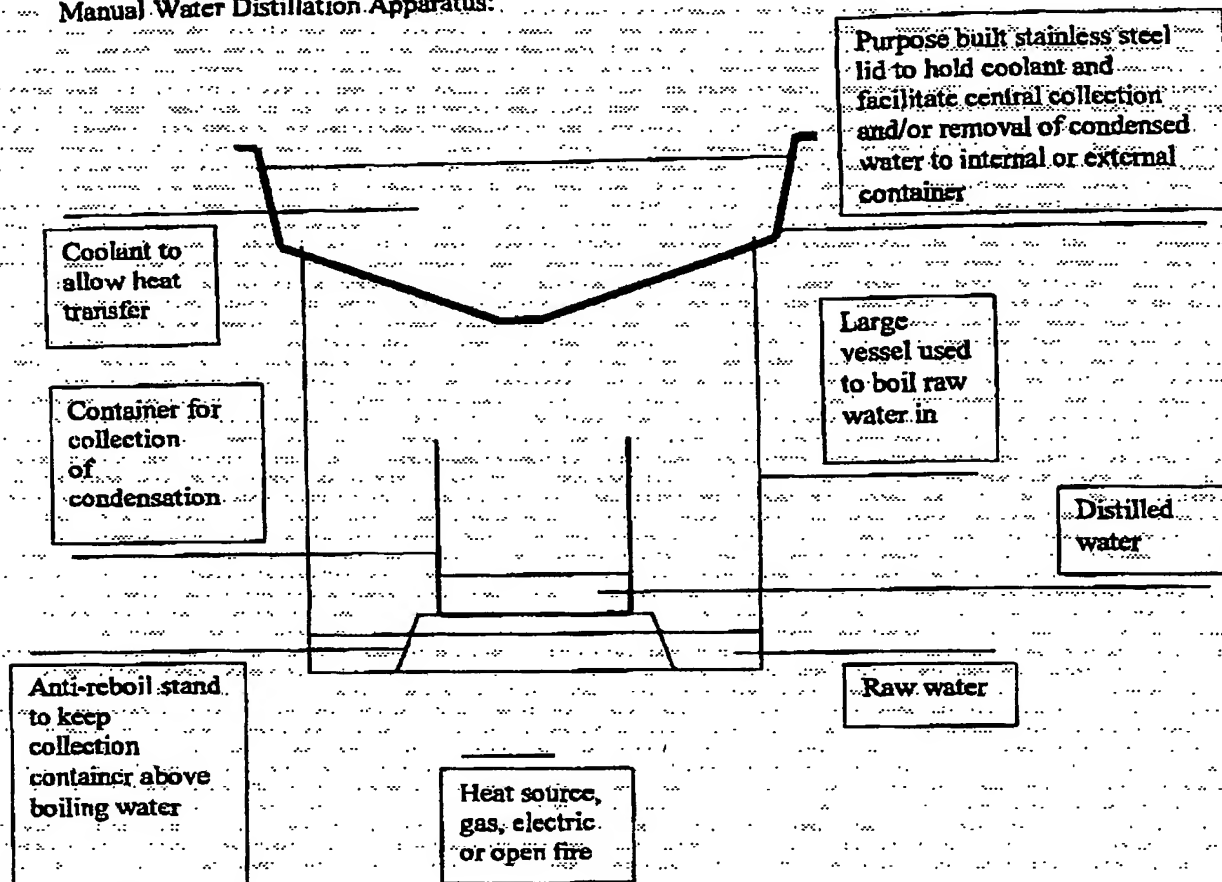
Large  
vessel used  
to boil raw  
water in

Raw water

Heat source; gas,  
electric or open  
fire.

Distilled  
water

Collection  
container

**Manual Water Distillation Apparatus:****BEST AVAILABLE COPY**